

CLAIMS

1. A purified human proteins having any one of the amino acid sequences of SEQ ID No: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 5 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158 or 160.

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2. A DNA fragment encoding the protein of claim 1.

3. A DNA fragment having the base sequence of the translated region in SEQ ID No: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 15 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157 or 159, which is human cDNA encoding the protein of claim 1.

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4. The DNA fragment of claim 3, which consists of any one of the base sequences of SEQ ID No: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 25 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157 or 159.

5. An expression vector, which is capable of expressing any one of 30 the DNA fragments of claims 2 to 4 by *in vitro* translation or within host

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cell.

6. The expression vector of claim 5, which is capable of expressing a fused DNA fragment of the DNA fragment of any one of claims 2 to 4 and
5 the DNA fragment encoding a fluorescent protein.

7. A fluorescent protein-fused protein, which is an expression product of the expression vector of claim 6.

10 8. A cell transformed with the expression vector of claim 5 or 6, which is capable of producing the protein of claim 1 or the fluorescent protein-fused protein of claim 7.

9. An antibody against the protein of claim 1.